

VAMS

IES

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VAMS

Vams is a volcano management platform where users can observe various aspects of different volcanoes.

It allows users to access data regarding seismic activity, the history of eruptions, magma composition, soil conditions, the presence of certain gases, and weather conditions in regions near the volcano.

Additionally, users can add, edit, or delete volcano entries and download the available data for further analysis.

Backlog

Our project backlog is made by the backlog, user stories and the different iterations of the project. In the backlog there is every issue and in the iterations there are the issues of the specific iteration.

Backlog

Roadmap

Iteration 1

Iteration 2

Iteration 3

Iteration 4













Iteration 5

User Stories

+ New view

Filter by keyword or by field

DiscardSave

Title	...	Assignees	...	Status	...	Estimate	...	Iterations	...
12 Update data generators #141		 tiagoflopes		Done		7		Iteration 5	
13 Implement websockets #144		 luis-godinho		Done		5		Iteration 5	
14 Make deletes atomic #158		 tiagoflopes		Done		2		Iteration 5	
15 disable threads when delete #157		 luis-godinho		Done		3		Iteration 5	
16 Implement Download method #146		 Jose-Pedro-Ferreira...		Done		7		Iteration 5	
17 Deploy final product #166		 ttabelhaxd		Done		1		Iteration 5	
18 Create the producer of the queue #120		 luis-godinho		Done		3		Iteration 4	
19 Fix api consumer #130		 luis-godinho		Done		2		Iteration 4	
20 Create Producer in Maven for Volcanoes update #126		 luis-godinho		Done		1		Iteration 4	
21 Create the Consumer of the queue #119		 luis-godinho		Done		7		Iteration 4	
22 Create Weather View #91		 ttabelhaxd		Done		7		Iteration 4	
23 Setup the message queue #118		 Jose-Pedro-Ferreira...		Done		3		Iteration 4	

Backlog

User Stories

We have 10 user stories, each with a description of the user's goal and how the user can do the story.

1	☑ Check Key indicators #18	▼	Done	▼
2	☑ Check real-time info #19	▼	Done	▼
3	☑ Watch activity map #20	▼	Done	▼
4	☑ Check gas emissions #21	▼	Done	▼
5	☑ Check Soil info #22	▼	Done	▼
6	☑ Check ground deformation and magma viscosity info #23	▼	Done	▼
7	☑ Get volcanic history #24	▼	Done	▼
8	☑ Get data visualization options #25	▼	Done	▼
9	☑ Check activity historic facts #26	▼	Done	▼
10	☑ Check changes during periods #27	▼	Done	▼

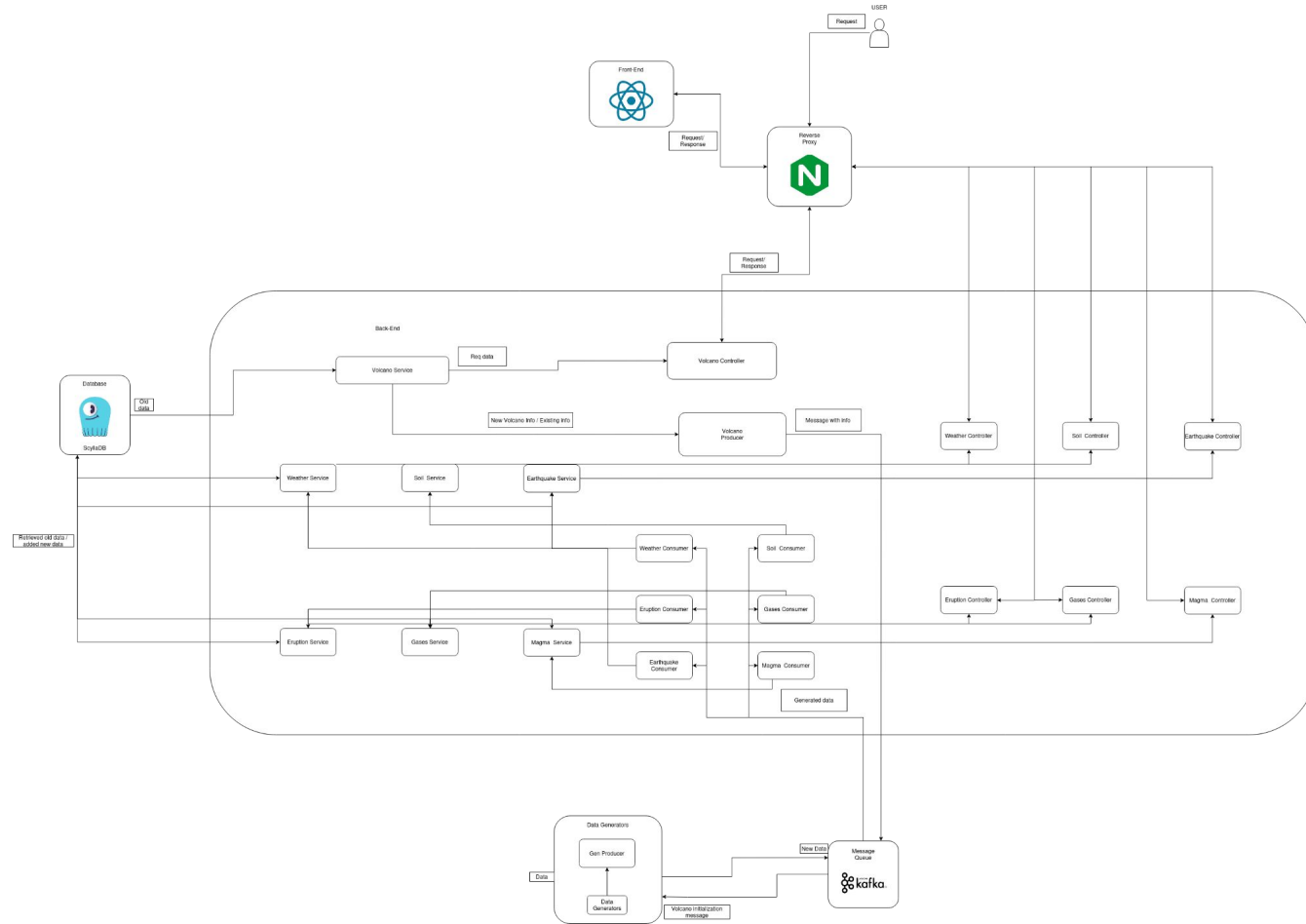
You can use `Control + Space` to add an item.

As an emergency response coordinator,
I want to see a dashboard of key indicators (seismic activity, gas levels, ground movement) with easy-to-understand visuals
so that I can assess the current risk quickly.

- **Given:** The user is in the main page
- **When:** The user clicks in the gas or earthquake button
- **Then:** The system redirects them to the gas page

Views

Architecture



Class Diagram

